



SEQUENCE LISTING

TECH CENTER 160012900

SEP 17 2002

RECEIVED

<110> Lanctot, et al.

<120> Nucleic Acid Molecule, Method and Kit for Selecting a Nucleic Acid Having A Desired Feature

<130> 2003390-0001

<140> 09/641,931

<141> 2000-08-18

<160> 45

<170> PatentIn Ver. 2.1

<210> 1

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> sequence is completely synthesized

<400> 1

ggatccaata gaggattctt taac

24

<210> 2

<211> 21

<212> DNA

<213> Artificial Sequence

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tcaccactct tctgtccctt c

21

<210> 3

<211> 25

<212> DNA

<213> Artificial Sequence

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48

<400> 3
ggatcctacg aacatgacgac cactg

25

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<211> 21
<212> DNA
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<400> 4
tcattcttcgt gtgctagtca g

21

<210> 5
<211> 30
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agcgaattcg tcctgtggac agatcactgc

30

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<211> 30
<212> DNA
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gctctcgagg aaggcacagc tgctttccac

30

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cttctcgagc agtttaaacg tgagcttccc

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<400> 8
acgtctagat catcttcgtg tgctagtcag

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<211> 47
<212> DNA
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<400> 9
tcgagcagat ctgcagcacc actggtcacg gcaatgtgtc ggagcgg

47

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<211> 43
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ccgctccgac acattgccgt gaccagtggg gctgcagatc tgc

43

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<211> 60
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<400> 11
gtgtccaagc catcagaggg gaaataaagc atctctacgg tggctctaaa tagtcagcat 60

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<223> sequence is completely synthesized

<400> 12
ccagagctca tgcggaccac tcttctgt 28

<210> 13
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
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<400> 13
tcgcgattta aattaattaa gctt 24

<210> 14
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<220>
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<400> 14
aagcttaatt aatttaaadc gcga 24

<210> 15
<211> 18
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<400> 15
agacgcgtag atctcacc

18

<210> 16
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<212> DNA
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<400> 16
gatccgcacc gcaatatggc

20

<210> 17
<211> 25
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<400> 17
tctagagatg cattatgcac atcag

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tccaagccat cagaggggaa ataaagcatc tctacggtgg tcctaaatag tcagcatagt 60

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actatgctga ctatttagga ccaccgtaga gatgctttat ttcccctctg atggcttgga 60

<210> 20

<211> 20

<212> DNA

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tagtcagcat agtacatttc

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<210> 21

<211> 51

<212> DNA

<213> Artificial Sequence

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<223> sequence is completely synthesized

<400> 21

tcgatccgaa ttcgcgggcg ctctattgga tctcgagca gatctgcagc a

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<211> 148

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agatgaatca agcttatcga tacogtcgag catgcatcta ggtgtccaag ccatcagagg 60
ggaaataaag catctctacg gtggctctaa atagtcagca tagtacattt catctgacta 120
atactacaac accaccacca tgaataga 148

<210> 23

<211> 18

<212> DNA

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53

<223> sequence is completely synthesized

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gagtgggtccg catggtga

18

<210> 24

<211> 54

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaggggaatt tcgcgattta aatt

54

<210> 25

<211> 48

<212> DNA

<213> Sindbis virus

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<400> 25

tctgcagcac cactgggtcac ggcaatgtgt ttgctcggaa atgtgagc

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<210> 26

<211> 16

<212> PRT

<213> Sindbis virus

<220>

<223> sequence is completely synthesized

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Ser Ala Ala Pro Leu Val Thr Ala Met Cys Leu Leu Gly Asn Val Ser

1

5

10

15

<210> 27

<211> 48

<212> DNA

<213> Artificial Sequence

254

<220>

<223> sequence is completely synthesized

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tctgcagcac cactgggtcac ggcaatgtgt cggagcggaa atgtgagc

48

<210> 28

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> sequence is completely synthesized

<400> 28

Ser Ala Ala Pro Leu Val Thr Ala Met Cys Arg Ser Gly Asn Val Ser

1

5

10

15

<210> 29

<211> 44

<212> DNA

<213> Artificial Sequence

<220>

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<400> 29

gagagagaga gagtttaaac gtcgactttt tttttttttt tttt

44

<210> 30

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> sequence is completely synthesized

<400> 30

gctaagcttg ctatcggcgg ccgcgagaat tcgt

34

<210> 31

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> sequence is completely synthesized

<400> 31

acgaattctc gcggccgccg atagcaagct

30

<210> 32

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> sequence is completely synthesized

<400> 32

Ser Ala Ala Pro Leu Val Thr Ala Met Cys Gly Ser Gly Asn Val Ser
1 5 10 15

<210> 33

<211> 13

<212> DNA

<213> Artifical Sequence

<220>

<223> sequence is completely synthesized

<400> 33

gagctcatgc gga

13

<210> 34

<211> 132

<212> DNA

<213> Mouse

<400> 34

tgacccaggg gctctgcaac acaaggagtc tgcattgtcta agtggttagag atgctcagct 60
ttgtggatag gcggactctg ttgctgcttg cagtaacttc gtgcctagca acatgccaat 120
atttgcaatc gg 132

<210> 35

<211> 222

<212> DNA

<213> Homo sapiens

<400> 35

ccacgctgtg cacaatgggt tcctcgcagg caccccggat ggggagtggt ggagggcacg 60
ggctgatggc attgctgatg gccgggtctta ttctgccagg aatcttggct aagagcattg 120
ggaccctctc ggaccctgt aaggacccca cgaggatcac ctccccgaat gacccttgct 180
tcattggaaa gactggctcc aacagcatca gcagccaagg tg 222

<210> 36

<211> 132

<212> DNA

<213> Mouse

<400> 36

agcagcggtg gcaccggcga accatggctg ggattttcta tttcatcctc ttttcgtttc 60
tctttggaat ttgcgacgct gtcaccgggt ctaggggtata ccccgcaat gaagttactt 120
tattggattc ca 132

<210> 37

<211> 262

<212> DNA

<213> Mouse

<400> 37

gccatttatg agacattaaa cctgaaaatg gaaaacagac tcctcagagt cttcttagtc 60
tgggctgccc tgaccatgga tggagcatca gccaaacagg atggcctctg ggaaagcaag 120
tccagcagtg atgtttcatc ttgccctgaa gcctcgctgg agattgtggg ctctctggcc 180
cgactgcctg atcaacagga tacagctcag gatgccagtg ttgaggtaaa cagaggtttt 240
aaggaagaag gaagcccaga ta 262

<210> 38

<211> 36

<212> PRT

<213> Mouse

<400> 38

Met Leu Ser Phe Val Asp Thr Arg Thr Leu Leu Leu Leu Ala Val Thr
1 5 10 15

Ser Cys Leu Ala Thr Cys Gln Tyr Leu Gln Ser Gly Ser Ser Ser Arg
20 25 30

Ser Ala Ala Pro
35

<210> 39
<211> 78
<212> PRT
<213> Homo sapiens

<400> 39
Met Gly Ser Ser Gln Ala Pro Arg Met Gly Ser Val Gly Gly His Gly
1 5 10 15
Leu Met Ala Leu Leu Met Ala Gly Ile Leu Pro Gly Ile Leu Ala Lys
20 25 30
Ser Ile Gly Thr Leu Ser Asp Pro Cys Lys Asp Pro Thr Arg Ile Thr
35 40 45
Ser Pro Asn Asp Pro Cys Leu Ile Gly Lys Thr Gly Ser Asn Ser Ile
50 55 60
Ser Ser Gln Gly Gly Ser Ser Ser Arg Ser Ala Ala Ser Pro
65 70 75

DI
<210> 40
<211> 44
<212> PRT
<213> Mouse

<400> 40
Met Ala Gly Ile Phe Tyr Phe Leu Phe Ser Phe Leu Phe Gly Ile Cys
1 5 10 15
Asp Ala Val Thr Gly Ser Arg Val Tyr Pro Ala Asn Glu Val Thr Leu
20 25 30
Leu Asp Ser Arg Ser Ser Ser Arg Ser Ala Ala Pro
35 40

<210> 41
<211> 88
<212> PRT
<213> Mouse

<400> 41
Met Glu Asn Arg Leu Leu Arg Val Phe Leu Val Trp Ala Ala Leu Thr
1 5 10 15
Met Asp Gly Ala Ser Ala Lys Gln Asp Gly Leu Trp Glu Ser Lys Ser

20 25 30
 Ser Ser Asp Val Ser Ser Cys Pro Glu Ala Leu Ser Leu Glu Ile Val
 35 40 45
 Gly Ser Leu Ala Arg Leu Pro Asp Gln Gln Asp Thr Ala Gln Asp Ala
 50 55 60
 Ser Val Glu Val Asn Arg Gly Phe Lys Glu Glu Gly Ser Pro Asp Arg
 65 70 75 80
 Ser Ser Ser Arg Ser Ala Ala Pro
 85

<210> 42
 <211> 309
 <212> DNA
 <213> Mouse

<400> 42
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 cagcctgaac gcagagcccc gaaagcagag cattcagggc aagcagagaa caccctgcag 120
 aggttttcca agaatccctc ggcattggcaa gacaaggctg tttcgggtca taccaggtaa 180
 tatccttggt cacttttgcc atcggcgtca atctctgctt aggattcaca gcaagtcgaa 240
 ttaagagggc cgaatgggat gaaggacctc ccacagtgtt atctgactct ccatggacca 300
 acacatctg 309

<210> 43
 <211> 114
 <212> DNA
 <213> Mouse

<400> 43
 cagagaatga agccctgtac acaacacaac agattcaaac gaggtgttcc cttagcaagg 60
 ctgaagattc agtctcggtta tttggaattt ggatgcagtc cttgtttttg gatg 114

<210> 44
 <211> 64
 <212> PRT
 <213> Mouse

<400> 44
 Met Ala Arg Gln Gly Cys Phe Gly Ser Tyr Gln Val Ile Ser Leu Phe
 1 5 10 15

Thr Phe Ala Ile Gly Val Asn Leu Cys Leu Gly Phe Thr Ala Ser Arg
20 25 30

Ile Lys Arg Ala Glu Trp Asp Glu Gly Pro Pro Thr Val Leu Ser Asp
35 40 45

Ser Pro Trp Thr Asn Thr Ser Gly Ser Ser Ser Arg Ser Ala Ala Pro
50 55 60

<210> 45

<211> 45

<212> PRT

<213> Mouse

<400> 45

Met Lys Thr Cys Thr Gln His Asn Arg Phe Lys Arg Gly Val Pro Leu
1 5 10 15

Ala Arg Leu Lys Ile Gln Ser Leu Val Phe Gly Ile Trp Met Gln Ser
20 25 30

Leu Phe Leu Asp Gly Ser Ser Ser Arg Ser Ala Ala Pro
35 40 45